

CENTRAL ALAMEDA COUNTY TRANSPORTATION PROJECTS FOR THE ROUTE 238 WORKING GROUP

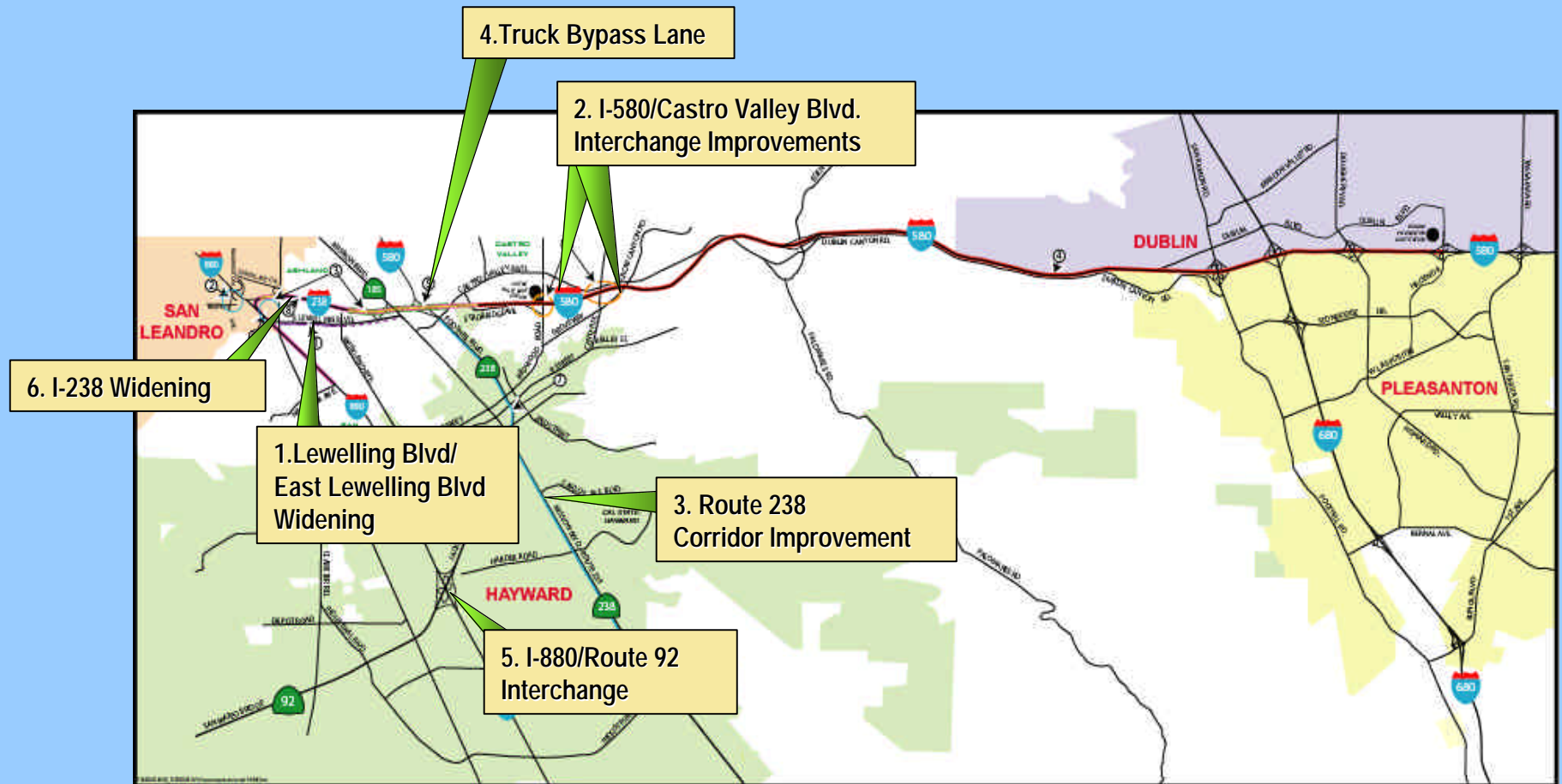
**ALAMEDA COUNTY TRANSPORTATION
IMPROVEMENT AUTHORITY**

June 25, 2003

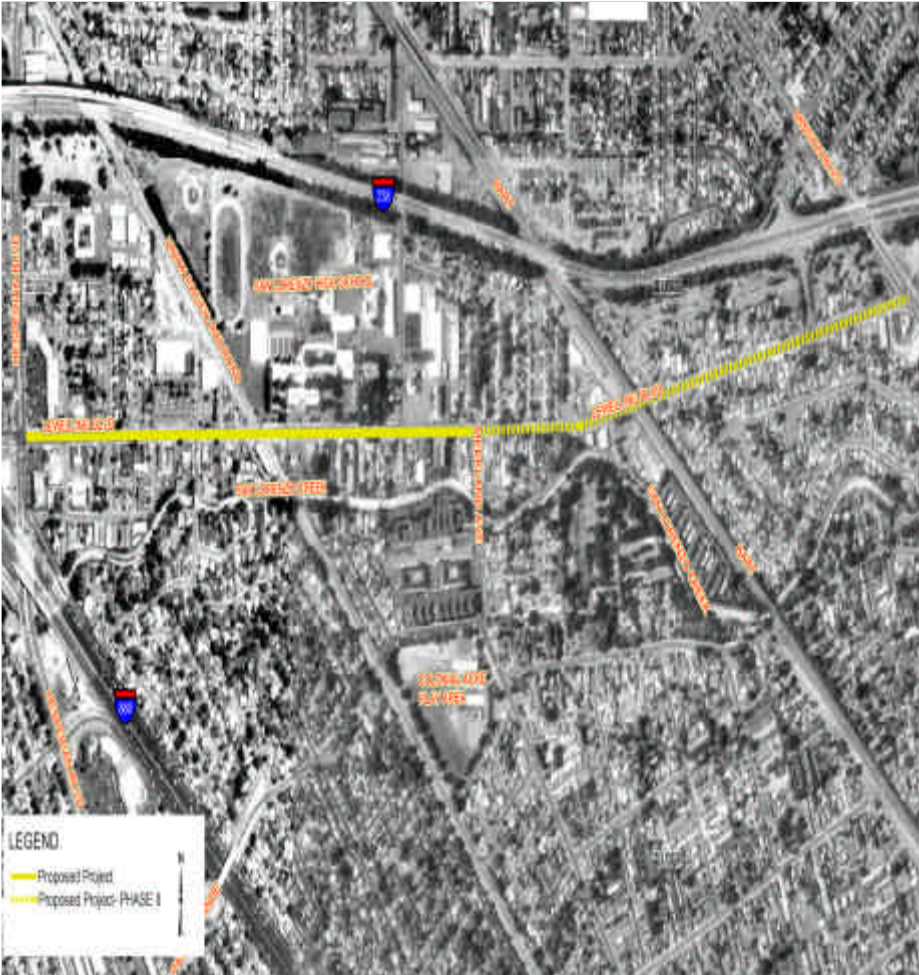
Overview of Presentation

- **Provide an overview of Highway Projects in the Central County**
- **Provide context for the proposed Route 238 Corridor Improvement Project**
- **Provide detailed information on the I-880/Route 92 Interchange**
 - Project Goals and Description
 - Project Schedule and Costs
- **Provide detailed information on the I-238 Widening Project:**
 - Project Goals
 - Project Schedule and Costs

Central Alameda County Transportation Projects

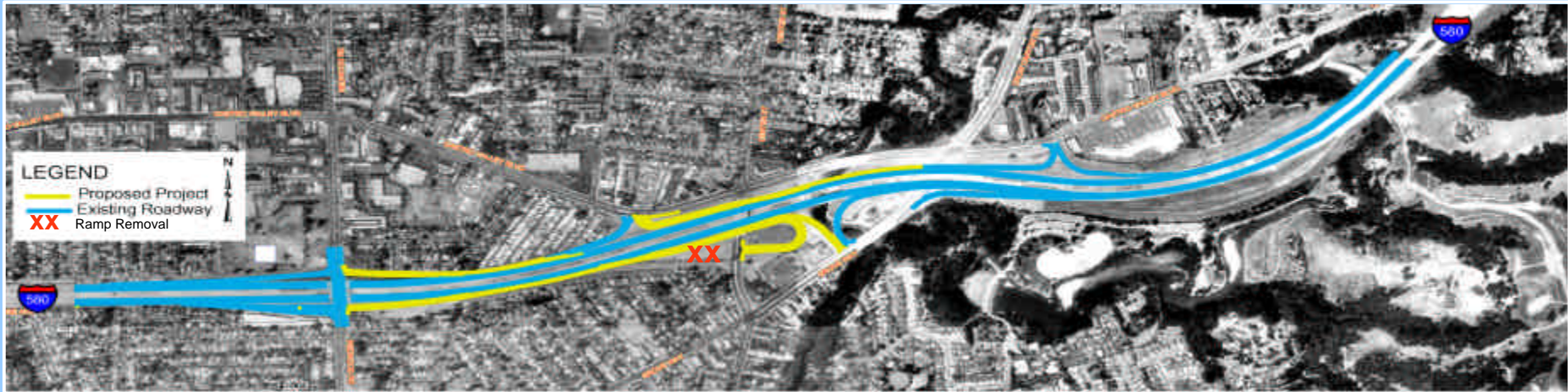


1. Lewelling Boulevard/East Lewelling Boulevard Widening



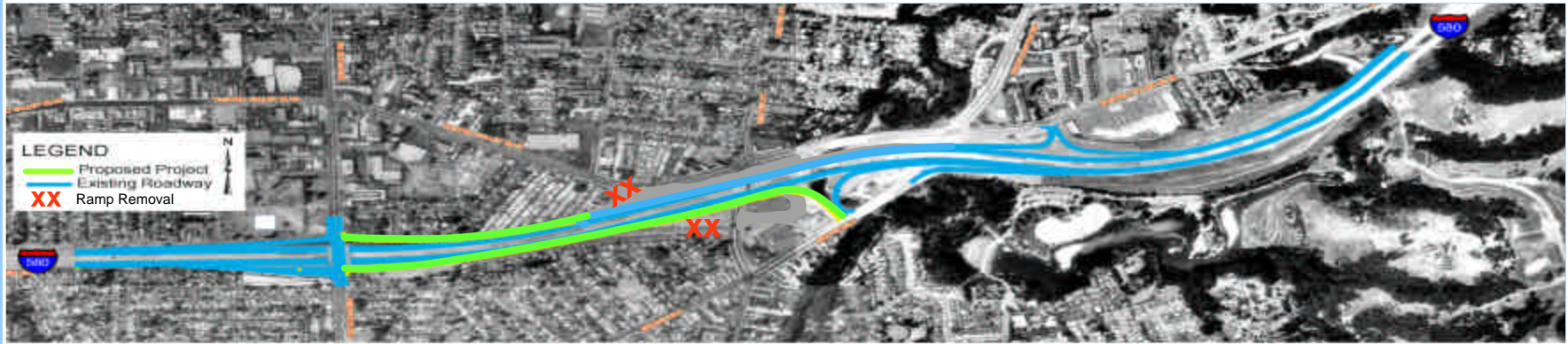
- **Description:** Lewelling Boulevard from Hesperian Boulevard to Meekland Avenue will be widened from two lanes to four lanes and will also include a median island, bicycle lanes, on-street parking, curbs, gutters, and sidewalks. This is Phase I of a larger project.
- **Cost:** 12.6 million
- **Funded By:** Measure B
- **Sponsor:** Alameda County Public Works
- **Project Status:** Project Development
- **Schedule:**
 - Begin Environmental – August 2003
 - Begin Design – May 2005
 - Completed Design - December 2008
 - Begin Construction – January 2009
 - Complete Construction – June 2010

2. I-580/Castro Valley Interchange Improvements



- **Description:** This project will include the construction of a new westbound I-580 off-ramp to Castro Valley Boulevard (west of Center Street), an eastbound I-580 on-ramp from Redwood Road, and replacement of the existing eastbound I-580 off-ramp to Center Street with a new eastbound off-ramp to both Grove Way and Center Street. A new westbound off-ramp to Redwood Road will also be investigated as a result of the Route 238 Corridor Improvement Study.
- **Cost:** 13.1 million
- **Sponsor:** Alameda County Public Works
- **Funded By:** Measure B
- **Project Status:** Project Development
- **Schedule:**
 - Begin Environmental – late 2003; Complete Environmental – February 2005
 - Begin Design - March 2005; Complete Design - June 2006
 - Begin Construction - January 2007; Complete Construction - July 2008

I-580/Castro Valley Interchange Improvements



Concept Supported by FHWA/CT

Description:

- Full Diamond Interchange at Redwood Road
- Eliminates Westbound I-580 on-ramp at Castro Valley Boulevard and Eastbound off-ramp to Center Street

3. Route 238 Corridor Improvement Project



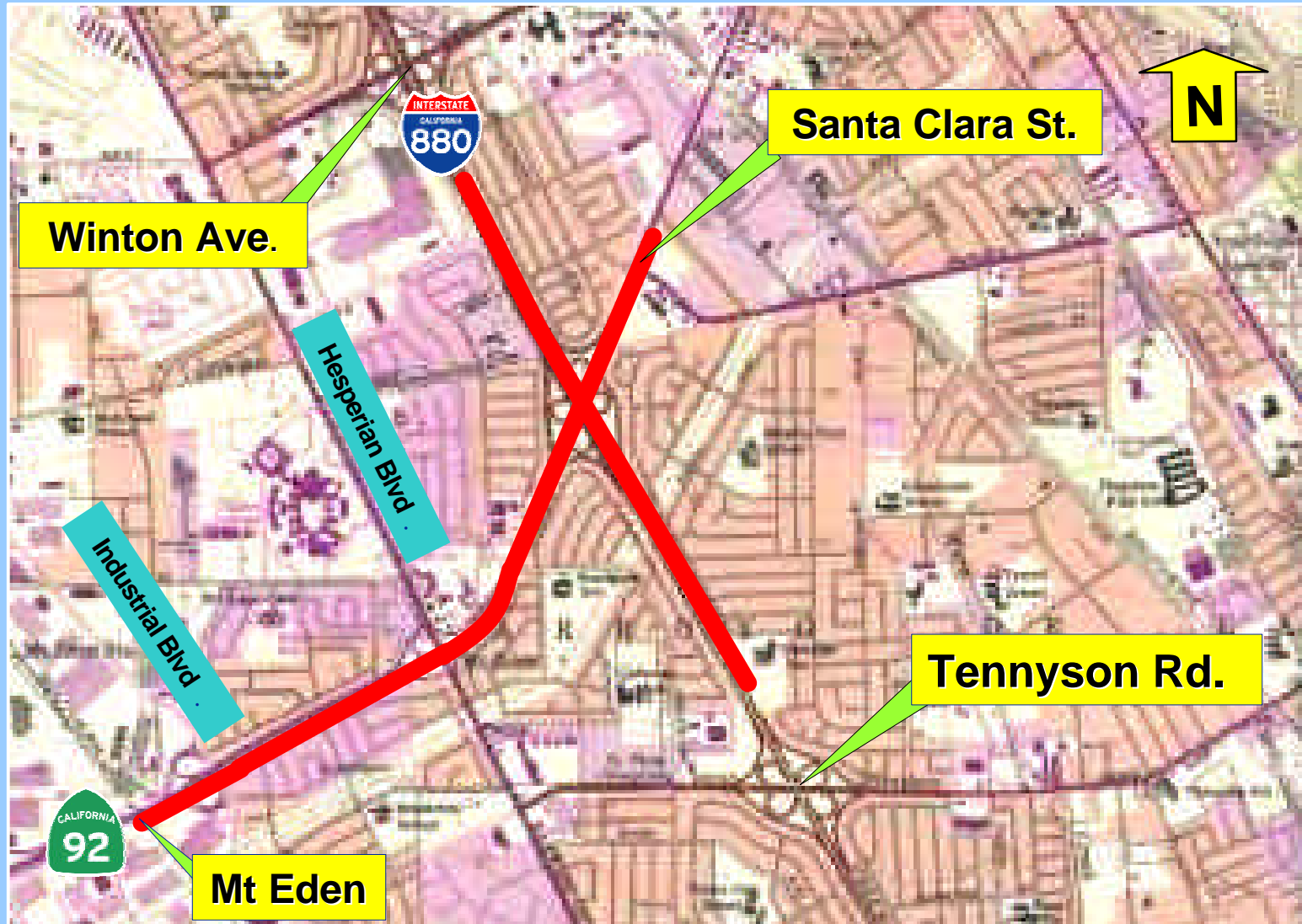
- **Description:** This project will widen Route 238 (Foothill Boulevard and Mission Boulevard) from I-580 to Industrial Parkway, by using the parking lane during rush hours for additional through traffic. It also includes the following elements:
 - Adding an additional lane of traffic on Route 238 in each direction from City Center Drive to Harder Road; and
 - Constructing a grade separation at the five-corners intersection of Jackson Street, Mission Boulevard, Foothill Boulevard, and "E" Street, by bringing Foothill Boulevard and Jackson Street under Mission Boulevard.
- **Cost:** To Be Determined
- **Funded By:** ACTA Measure B, City of Hayward and State (for Bypass Project)
- **Sponsor:** City of Hayward
- **Schedule:** To Be Determined

4. I-238 Truck Bypass Lane Project



- **Description:** This project includes the addition of dedicated truck bypass lanes along southbound I-238 near the Kent Overhead (UPRR) to eastbound I-580 and from westbound I-580 along northbound I-238 to the Kent Overhead.
- **Cost:** 107 million (1998 dollars)
- **Funded By:** To be determined
- **Sponsor:** Caltrans
- **Project Status:** No activity
- **Schedule:** To be determined

5. Route 92/I-880 Interchange



Alternative H Project Illustration



Purpose and Need

Proposed interchange improvements would:

- **Relieve traffic congestion**
- **Provide additional capacity**
- **Eliminate merging and weaving-related accidents**
- **Improve traffic safety and operations**

Alternative H Project Goals

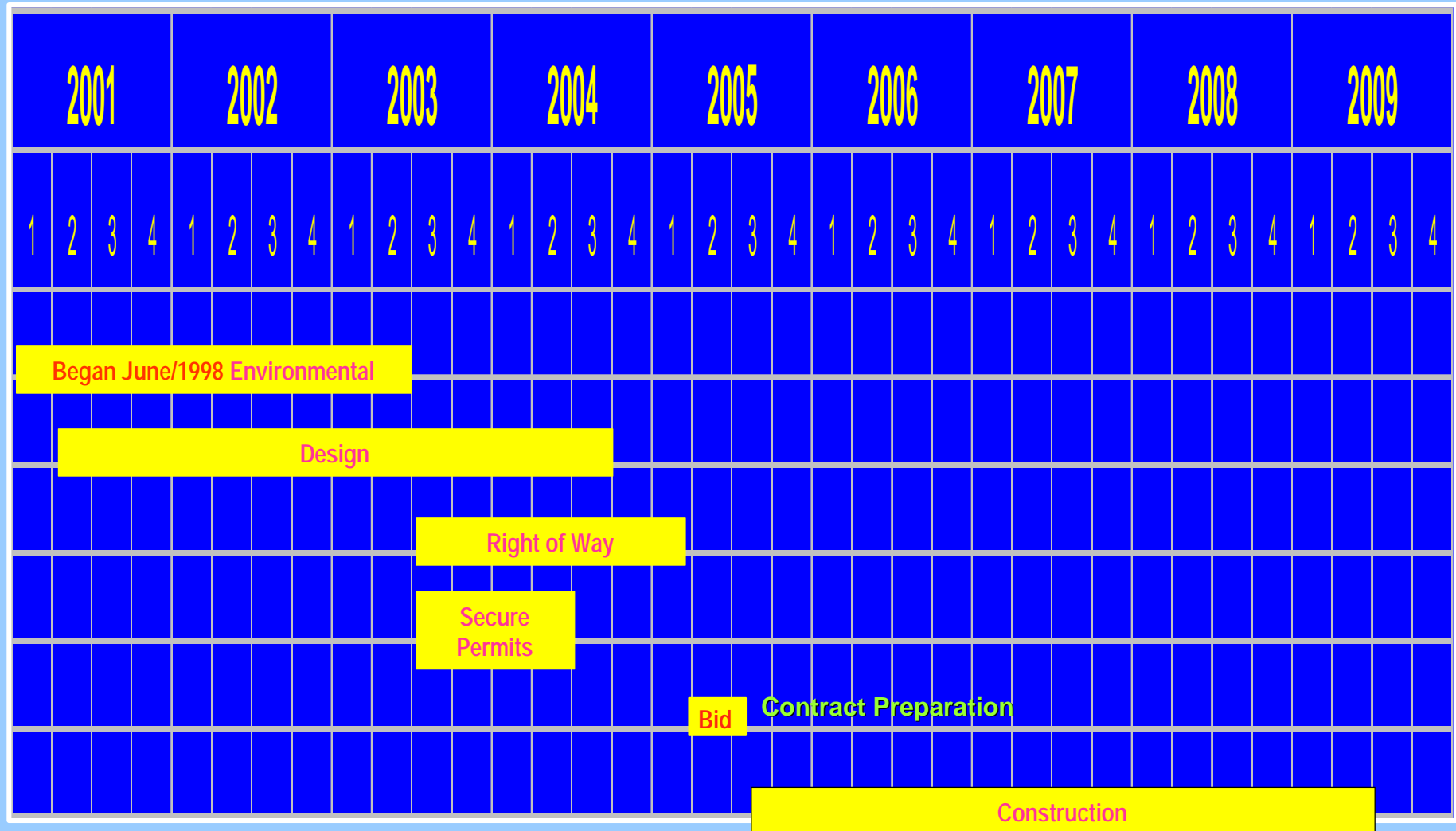


- Eliminate inadequate weaving sections
- Reduce weaving problem on EB SR-92 approach
- Improve weaving conflict related safety conditions
- Increase ramp traffic capacity
- Increase interchange capacity

Route 92/I-880 Funding

Regional Measure 1 (BATA)	\$ 124.2 M
Alameda County Transportation Authority	10.0 M
<hr/>	
Project Total	\$ 134.2 M

Route 92/I-880 Project Schedule



6. I-238 Widening Project



I-238 Widening Project Site



From I-580/I-238 Interchange
(looking east)



To I-880/I-238 Interchange
(looking east)

Project Sponsors

- **Alameda County Congestion Management Agency (CMA)**
- **Caltrans, Federal Highway Administration**
- **ACTIA**

Existing Conditions

- Heavy congestion on I-238 during peak hours
- Off-peak congestion for vehicular and truck traffic
- Approaching I-880, I-238 traffic slows to 10 mph
- 3-mile bottleneck stretching to Redwood Road on WB I-580
- Similar bottleneck on NB I-880 approaching I-238/I-880 junction
- Accident rates are 50% higher than average on I-880 and I-238

Project Goals

- Reduce peak hour and off-peak hour traffic congestion on I-238
- Improve operations and reduce delays on I-880 and I-580
- Improve operations on local arterials adjacent to the Corridor
- Enhance safety
- Improve freight traffic movement

Project Background

- I-238 Freeway was constructed in the late 1950's
- Connectors to I-880 were constructed in 1970's and 1990's
- A portion was reconstructed by BART in the mid-1990's as part of the extension to Pleasanton
- Funding competition with seismic retrofit program in the late 1990's
- CMA-sponsored Project Study Report completed and approved in 1998. Caltrans-sponsored environmental studies began in 1998.
- Minor interim improvements in 2000 and 2001
- ACTIA Measure B passed in 2000, providing major funding for the project

Project Description

- **Widen I-238 from two to three lanes in each direction between I-580 and I-880 (2.5 miles)**
- **Restripe WB I-238 to SB I-880 Connector to provide an HOV bypass lane**
- **Construct new two-lane NB I-880 to EB I-238 Connector**
- **Add auxiliary lanes on NB I-880 from Hacienda Avenue to I-238 and on SB I-880 to A Street**

Major Project Features

- **Realignment of East 14th Street On and Off Ramps on I-238**
- **Railroad bridges at Kent Avenue (near Ashland) and at the Clark Overhead (near Hesperian Avenue) will be widened**
- **Reconstruction of bridge over Hesperian Avenue and ramps**
- **Ramp Metering at selected locations**
- **New and reconstructed noise barriers where required by Noise Studies**
- **Retaining walls to reduce potential right-of-way impacts**

Anticipated Project Benefits

- Reduce the bottlenecks at the I-580/I-238 junction in Castro Valley
- Improve truck traffic movement to NB I-880 and SB I-880 from points in the eastern regions of the Bay Area
- Reduce traffic congestion on local arterials
- Increase freeway speed to over 40 mph
- Improve safety features and reduce accidents

Project Cost, Funding Sources and Schedule

Project Costs

\$126 Million

Anticipated Funding Sources

Measure B, STIP, SHOPP

Schedule

- | | |
|---------------------------|--------------------|
| ● Environmental Clearance | Spring/Summer 2004 |
| ● Complete Design | Summer 2004 |
| ● Start Construction | Summer 2005 |
| ● Complete Construction | Summer 2008 |

STIP = *State Transportation Improvement Program*

SHOPP = *State Highway Operation and Protection Program*

Q&A

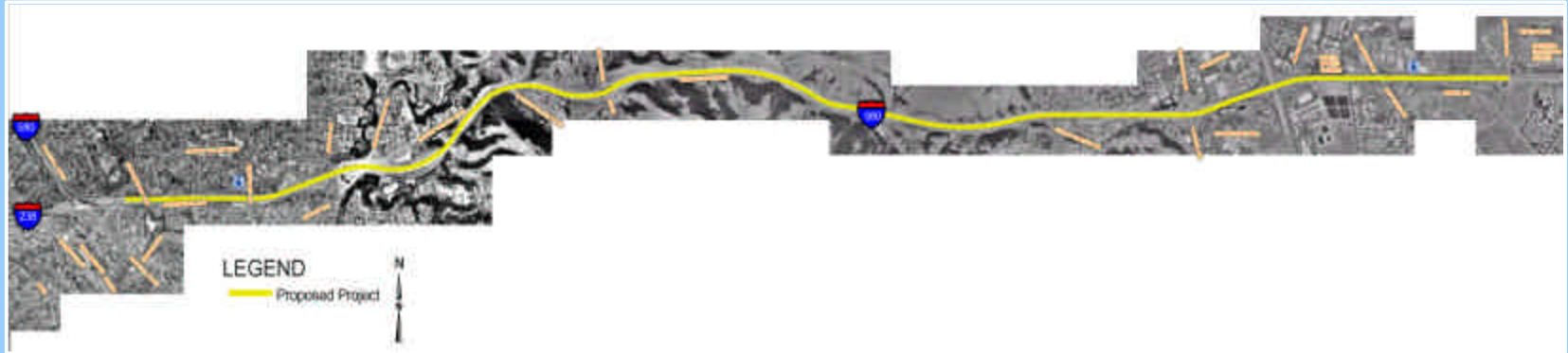


I-880/Washington Avenue Interchange



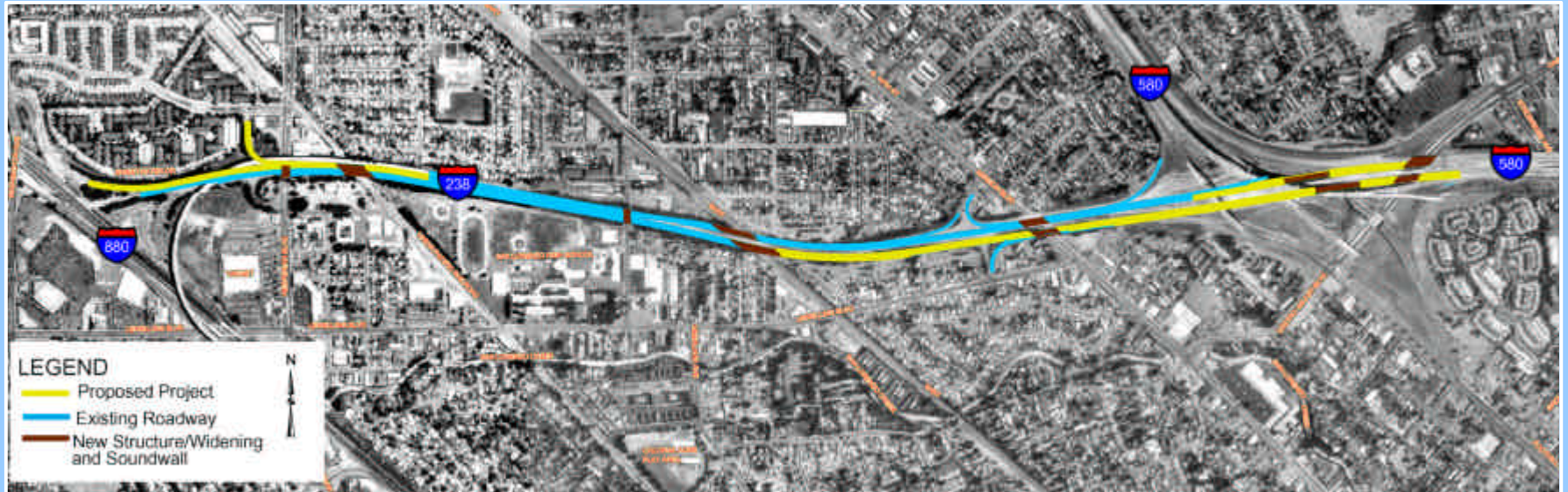
- **Description:** This project will provide local improvements to Beatrice Street, widen the southbound I-880/Washington Avenue interchange ramps, and reconstruct the intersection of the southbound interchange off-ramps with Washington Avenue.
- **Cost:** 1.4 million
- **Funded By:** Measure B
- **Sponsor:** City of San Leandro
- **Project Status:** Project Development
- **Schedule:**
 - Begin Design - June 2003
 - Complete Design - June 2004
 - Begin Construction - July 2004
 - Complete Construction - July 2005

I-580 Pavement Rehabilitation with Long Life Pavement



- **Description:** Long Life Pavement rehabilitation will be constructed on I-580 from the Hacienda Drive interchange in Pleasanton to the I-580/I-238 interchange near Castro Valley. This is Phase I of a larger project to the Alameda County Line.
- **Cost:** 39.1 million
- **Funded By:** State Highway Operation and Protection Program (SHOPP)
- **Sponsor:** Caltrans
- **Project Status:** Design Phase
- **Schedule:**
 - Complete Design – May 2004
 - Begin Construction – December 2004
 - Complete Construction - March 2007

I-238 Long Life Pavement Rehabilitation Strategy Project



- **Description:** This project includes pavement rehabilitation with Long-Life Pavement (LLP) on I-238 from the I-238/I-580 interchange to the I-238/I-880 interchange.
- **Cost:** 28 million
- **Funded By:** State Highway Operation and Protection Program (SHOPP)
- **Sponsor:** Caltrans
- **Project Status:** Design Phase
- **Schedule:** TBD

Caltrans Maintenance Station



- **Description:** This project is located at the I-238 and I-880 interchange in the City of San Leandro. It includes the construction of a new Maintenance Station for Caltrans special crews such as signage and electrical.
- **Cost:** 7.7 million
- **Funded By:** SHOPP
- **Sponsor:** Caltrans
- **Project Status:** Design Phase
- **Schedule:**
 - Complete Design - mid 2003
 - Begin Construction - mid 2003
 - Complete Construction - mid 2005